The Mobile Data Network in Utah was initially developed in three geographic regions in partnership with:

◈ Logan City Police Department
◈ County of Tooele[1]
◈ Municipality of Park City

These organizations were early adopters of the *IP*MobileNet technology and worked closely with ITS to pioneer the system in Utah. Logan City Police Department, Tooele County, and Park City each had the foresight to invest in a cooperatively managed system that would provide interoperability among users in all built-out regions of the state and the data communications required to run their business applications most effectively in support of the citizens of Utah.

The 460MHz system is based on *IP*MobileNet technology. Specifications include:

◆ Frequency: 460Mhz
◆ Bandwidth: 25KHz
◆ Data rate: 19.2Kbps

**Logan City Implementation**

The Logan City Police Department came online March 2003. The Logan region is covered by two base stations—located at the Logan Peak and Logan City communication sites. Logan City has approximately 55 mobile units operating on the system.

Logan City Police Department also implemented 802.11 hotspots in various locations, integrated with the Mobile Data Network via network persistence software from Ecutel Systems, Inc.

**Tooele County Implementation**

Tooele County Sheriff came online June 2003. The Tooele region and some of Salt Lake county are covered by six base stations—located at the Black Crook, Delle, Jordan Aqueduct, Point-of-the-Mountain, South Mountain and Wendover communication sites. Tooele has approximately 32 mobile units operating on the system.

**Park City Implementation**

Park City came online July 2003. The Park City region is covered by two base stations— located at the Lewis Peak and Marsac Building communication sites. Park City has approximately 21 mobile units operating on the system.

**Operational Experience**

In the nearly two years this system has been operational, observations include:

◆ Users are very satisfied.
◆ The technology and equipment are reliable and coverage excellent.

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[1] Made possible by funding through the Division of Emergency Services and Homeland Security (DESHS) and Homeland Security Chemical Stockpile Emergency Preparedness Program (CSEPP).

◆ Data throughput provides the performance required for applications designed for the mobile environment—e.g., Spillman Technologies, Inc., FATPOT Technologies, Inc., CODY Systems.

**Future of the 460MHz System**

Tooele, Park City and Logan will migrate to the 700MHz system in the future and expand the interoperable coverage of the Mobile Data Network. The 700MHz vendor contract includes upgrades for the original 460MHz system. These migrations will be scheduled according to each organization's needs to add additional mobile units and become interoperable with newly built-out 700MHz coverage areas.